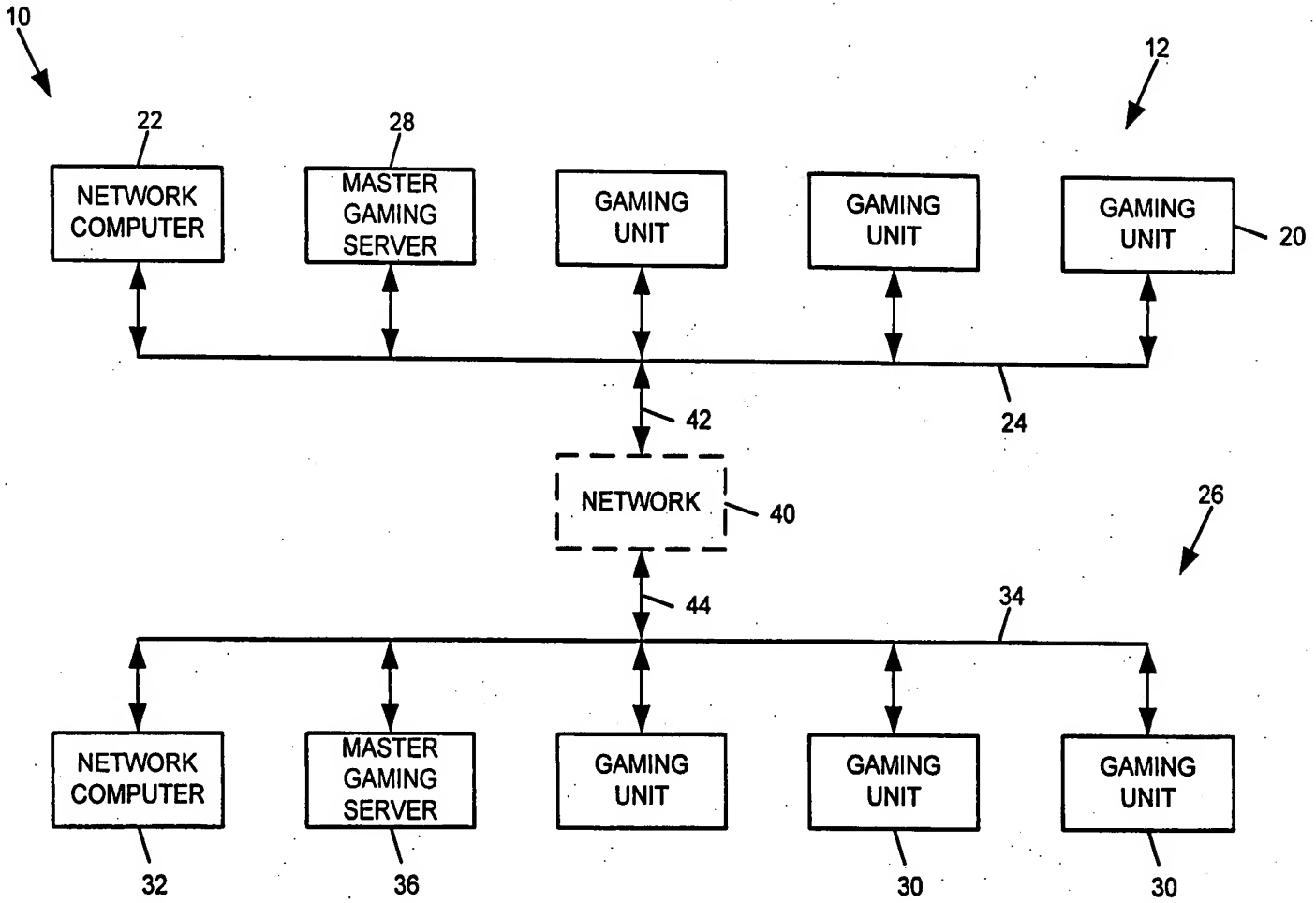

10
12
22
28
NETWORK COMPUTER
MASTER GAMING SERVER
GAMING UNIT
GAMING UNIT
GAMING UNIT
20
42
24
NETWORK
40
26
44
34
NETWORK COMPUTER
MASTER GAMING SERVER
GAMING UNIT
GAMING UNIT
GAMING UNIT
32
36
30
30

FIG. 1

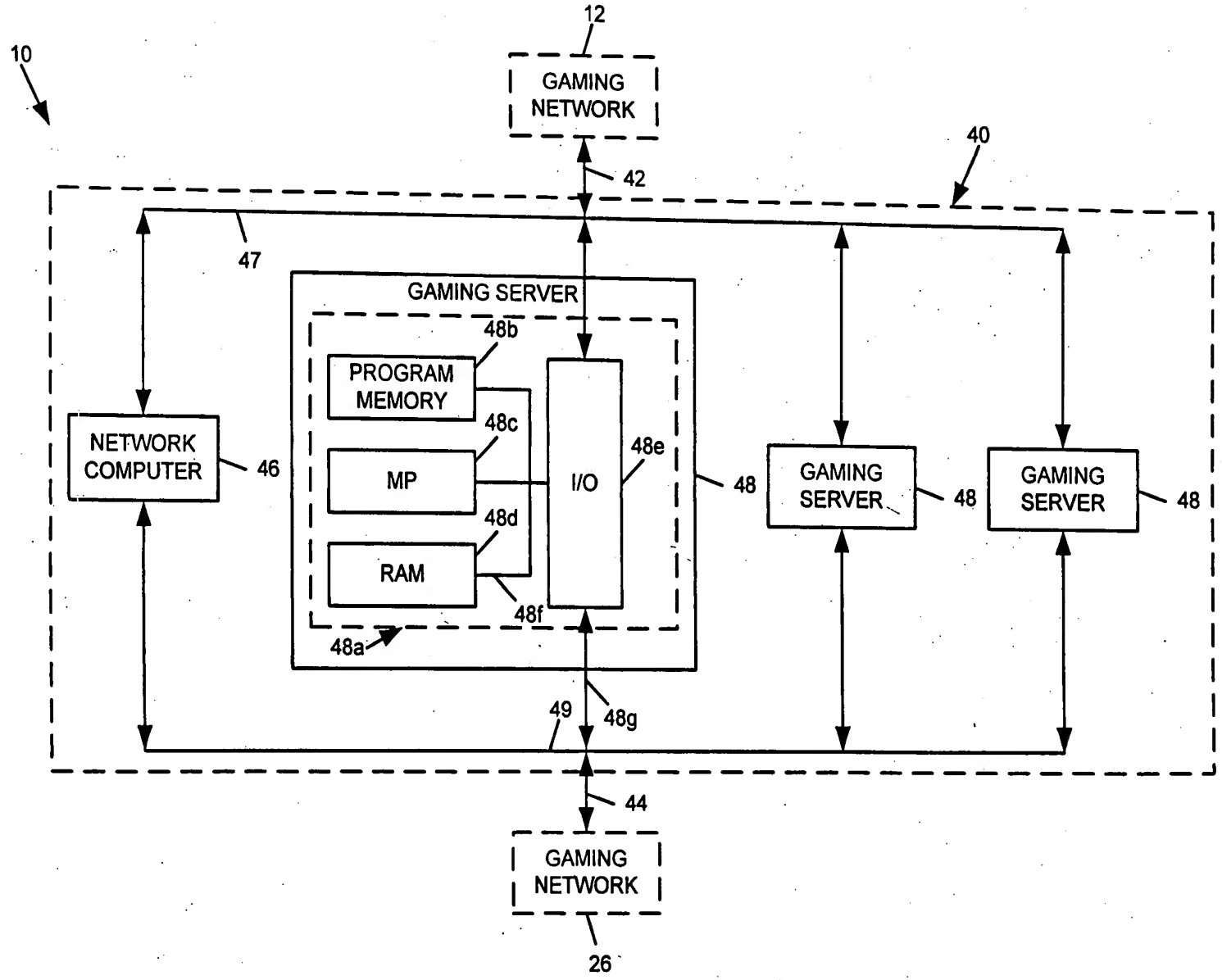

10
12
GAMING NETWORK
40
42
47
GAMING SERVER
48b
PROGRAM MEMORY
48c
MP
48d
RAM
48f
I/O
48e
48a
NETWORK COMPUTER
46
48
GAMING SERVER
48
GAMING SERVER
48
49
48g
44
GAMING NETWORK
26

FIG. 2

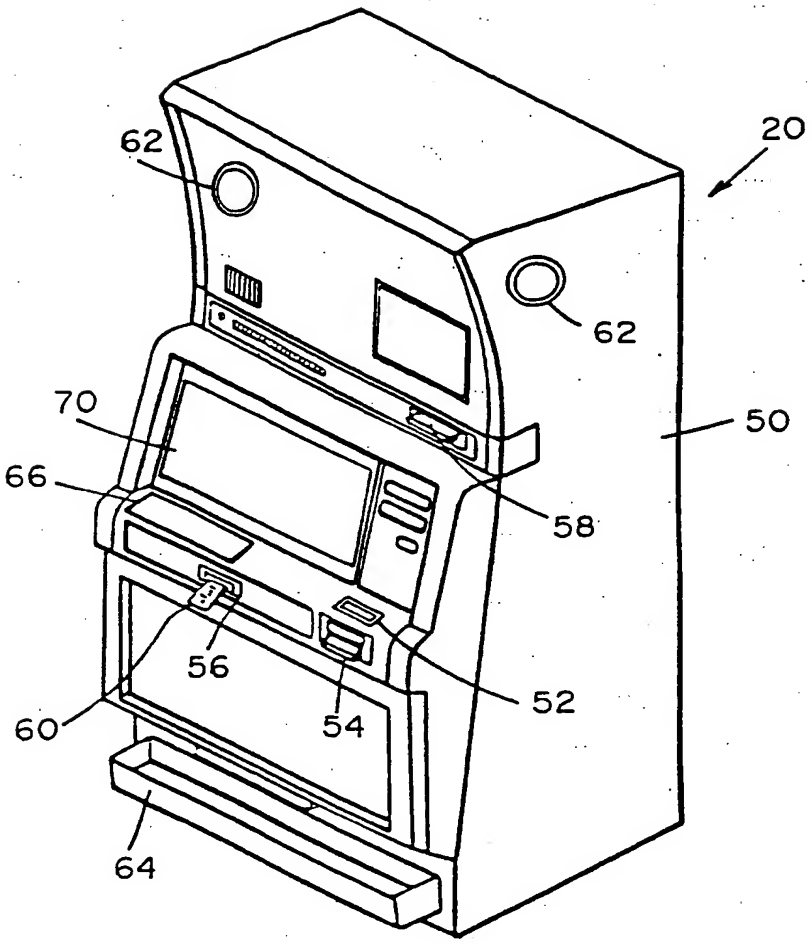

62
20
62
70
50
66
58
56
52
60
54
64

FIG. 3

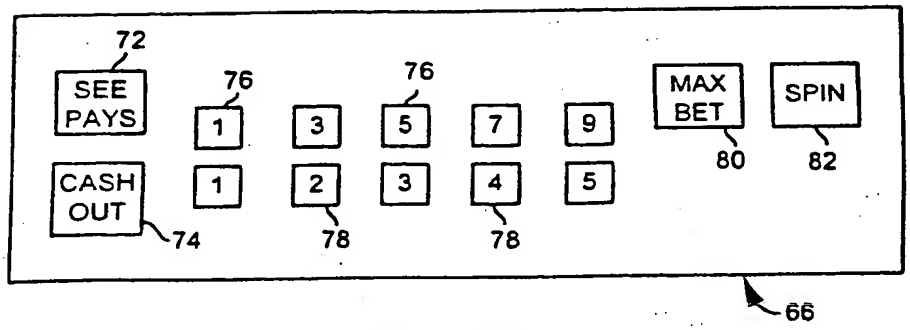

72
SEE PAYS
76
1
3
76
5
7
9
MAX BET
SPIN
CASH OUT
1
2
3
4
5
74
78
78
80
82
66

FIG. 3A

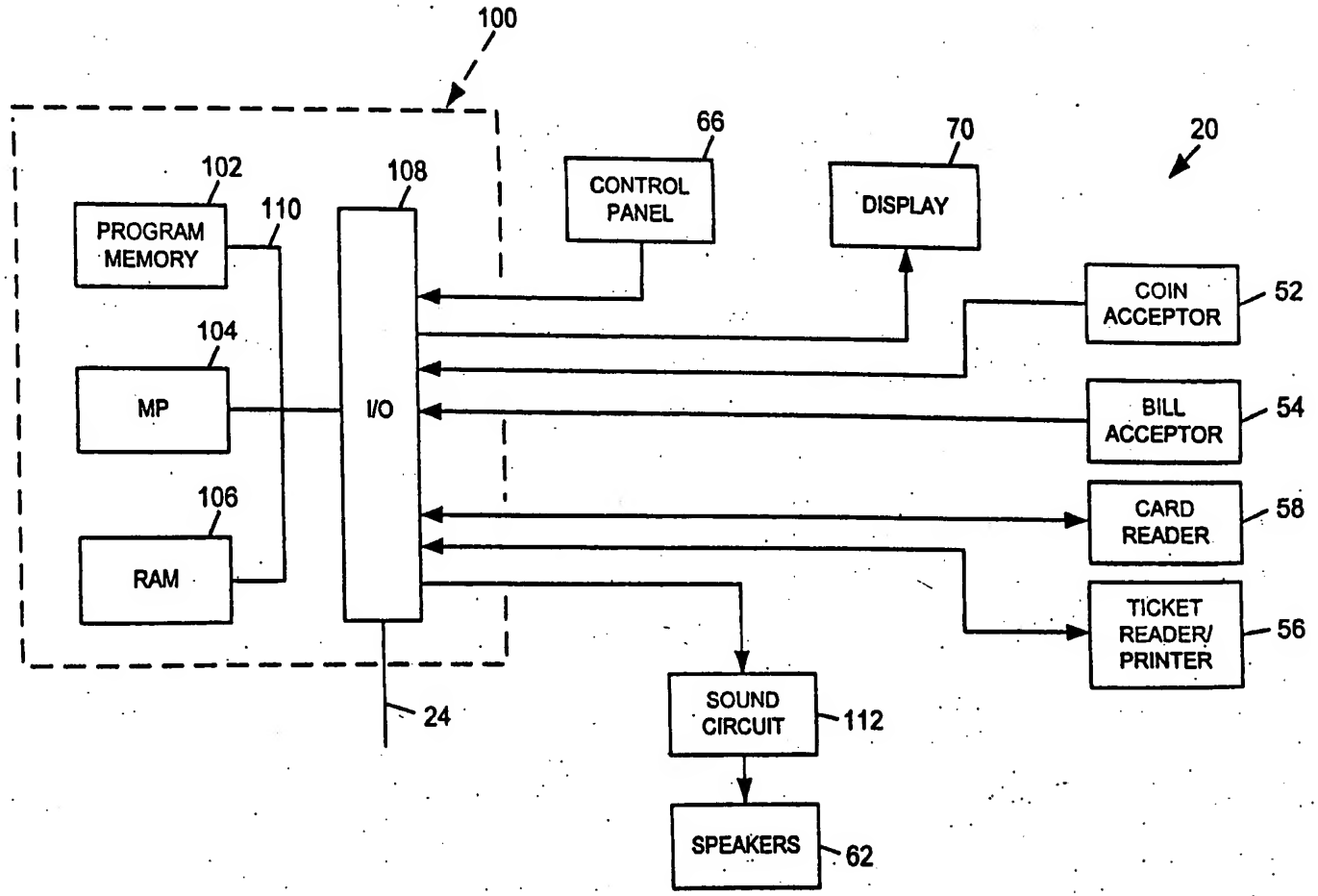

100
66
70
20
102
108
CONTROL PANEL
DISPLAY
PROGRAM MEMORY
110
COIN ACCEPTOR
52
104
MP
I/O
BILL ACCEPTOR
54
106
CARD READER
58
RAM
TICKET READER/ PRINTER
56
24
SOUND CIRCUIT
112
SPEAKERS
62

FIG. 4

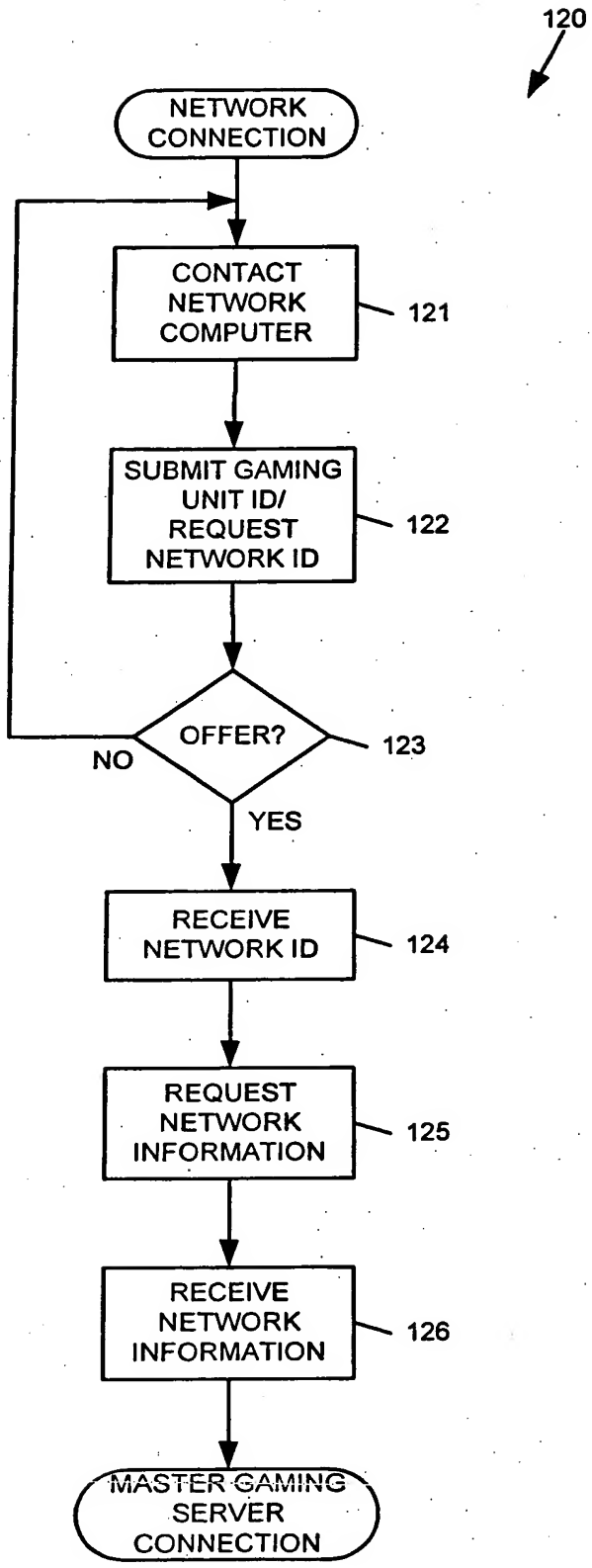

120
NETWORK CONNECTION
CONTACT NETWORK COMPUTER
121
SUBMIT GAMING UNIT ID/ REQUEST NETWORK ID
122
OFFER?
123
NO
YES
RECEIVE NETWORK ID
124
REQUEST NETWORK INFORMATION
125
RECEIVE NETWORK INFORMATION
126
MASTER GAMING SERVER CONNECTION

FIG. 5

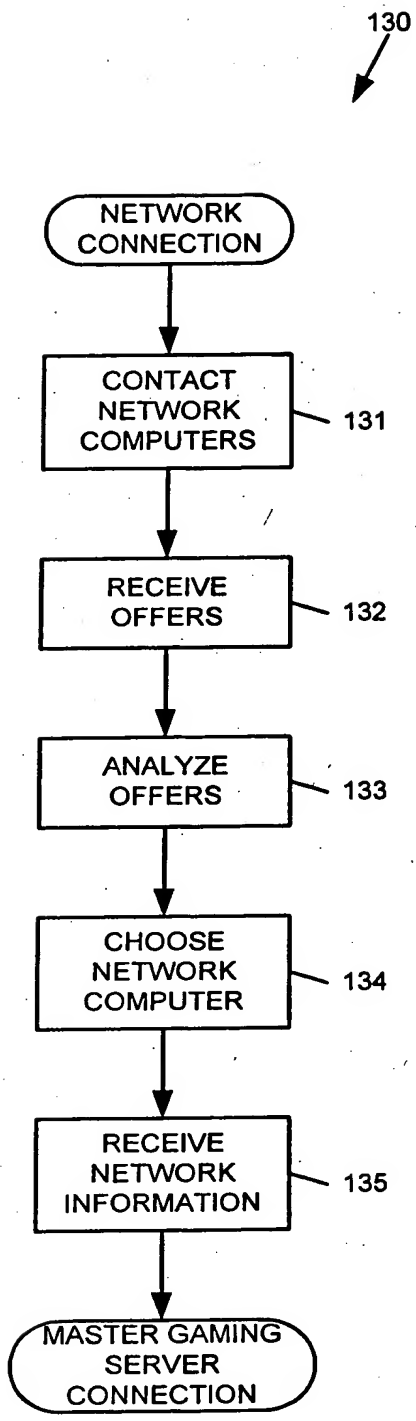

130
NETWORK CONNECTION
CONTACT NETWORK COMPUTERS
131
RECEIVE OFFERS
132
ANALYZE OFFERS
133
CHOOSE NETWORK COMPUTER
134
RECEIVE NETWORK INFORMATION
135
MASTER GAMING SERVER CONNECTION

FIG. 6

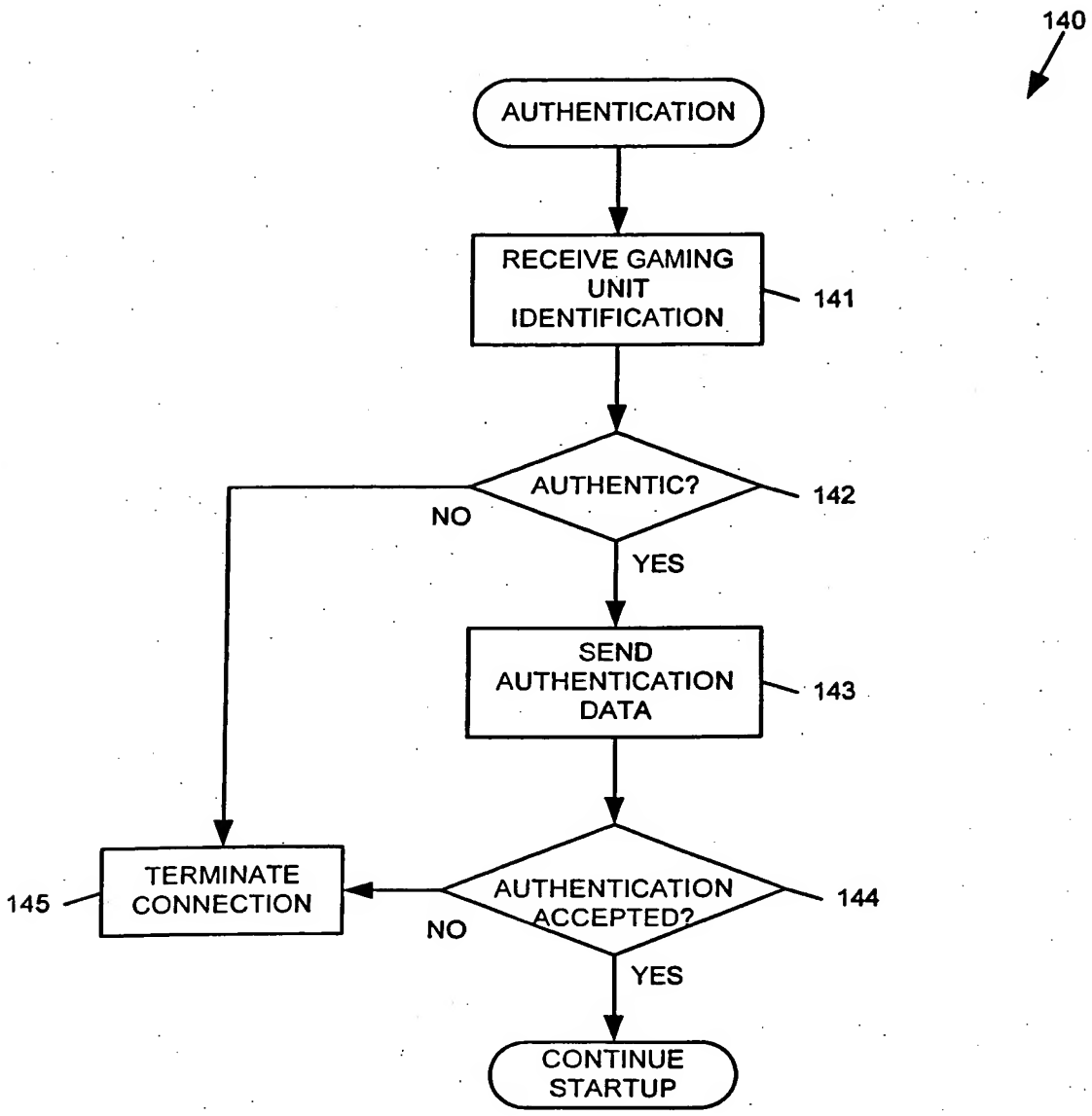

140
AUTHENTICATION
RECEIVE GAMING UNIT IDENTIFICATION
141
AUTHENTIC?
142
NO
YES
SEND AUTHENTICATION DATA
143
AUTHENTICATION ACCEPTED?
144
NO
YES
TERMINATE CONNECTION
145
CONTINUE STARTUP

FIG. 7

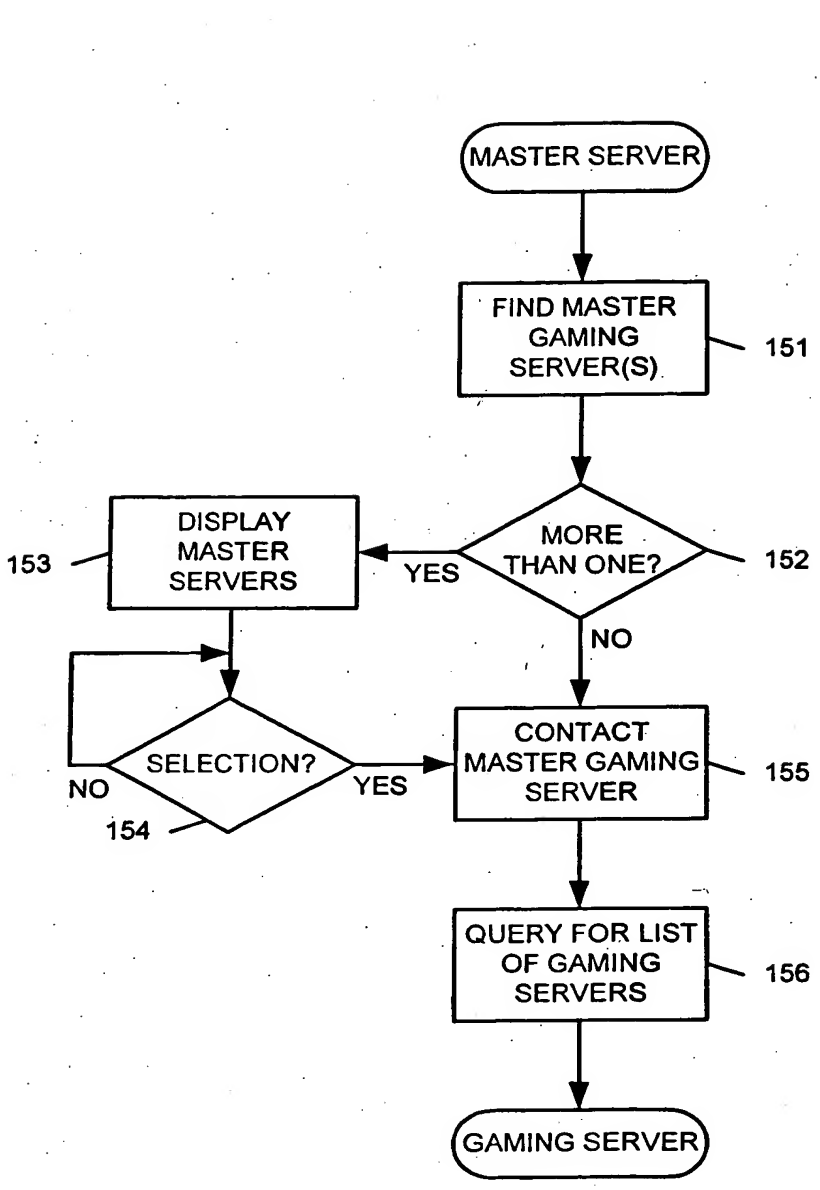

150
MASTER SERVER
FIND MASTER GAMING SERVER(S)
151
MORE THAN ONE?
152
YES
DISPLAY MASTER SERVERS
153
NO
SELECTION?
154
NO
YES
CONTACT MASTER GAMING SERVER
155
QUERY FOR LIST OF GAMING SERVERS
156
GAMING SERVER

FIG. 8

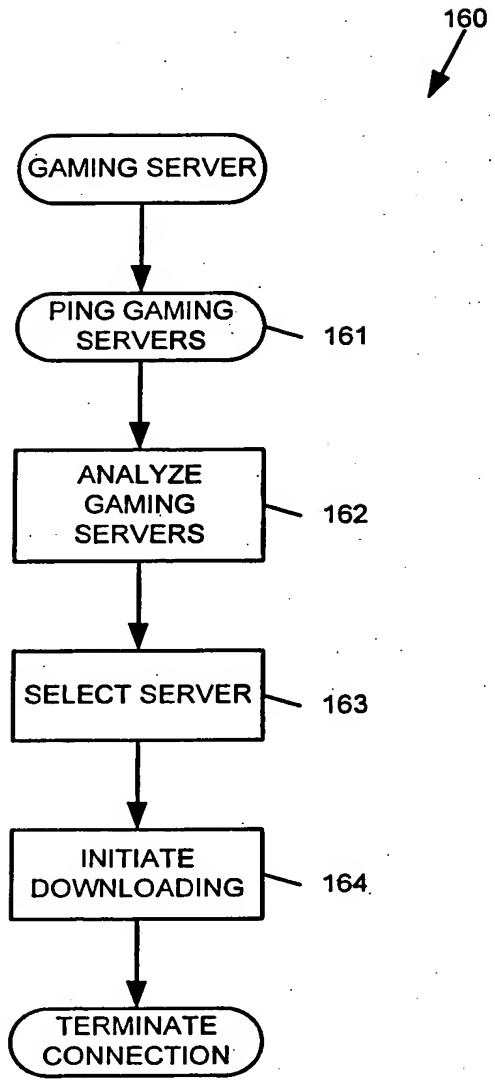

160
GAMING SERVER
PING GAMING SERVERS
161
ANALYZE GAMING SERVERS
162
SELECT SERVER
163
INITIATE DOWNLOADING
164
TERMINATE CONNECTION

FIG. 9

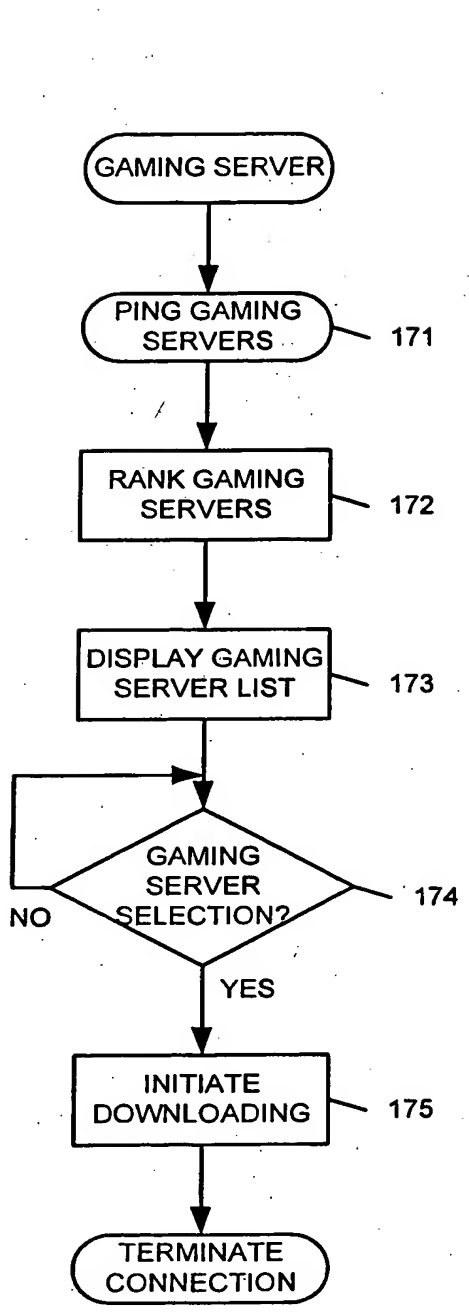

170
GAMING SERVER
PING GAMING SERVERS
171
RANK GAMING SERVERS
172
DISPLAY GAMING SERVER LIST
173
GAMING SERVER SELECTION?
174
NO
YES
INITIATE DOWNLOADING
175
TERMINATE CONNECTION

FIG. 10

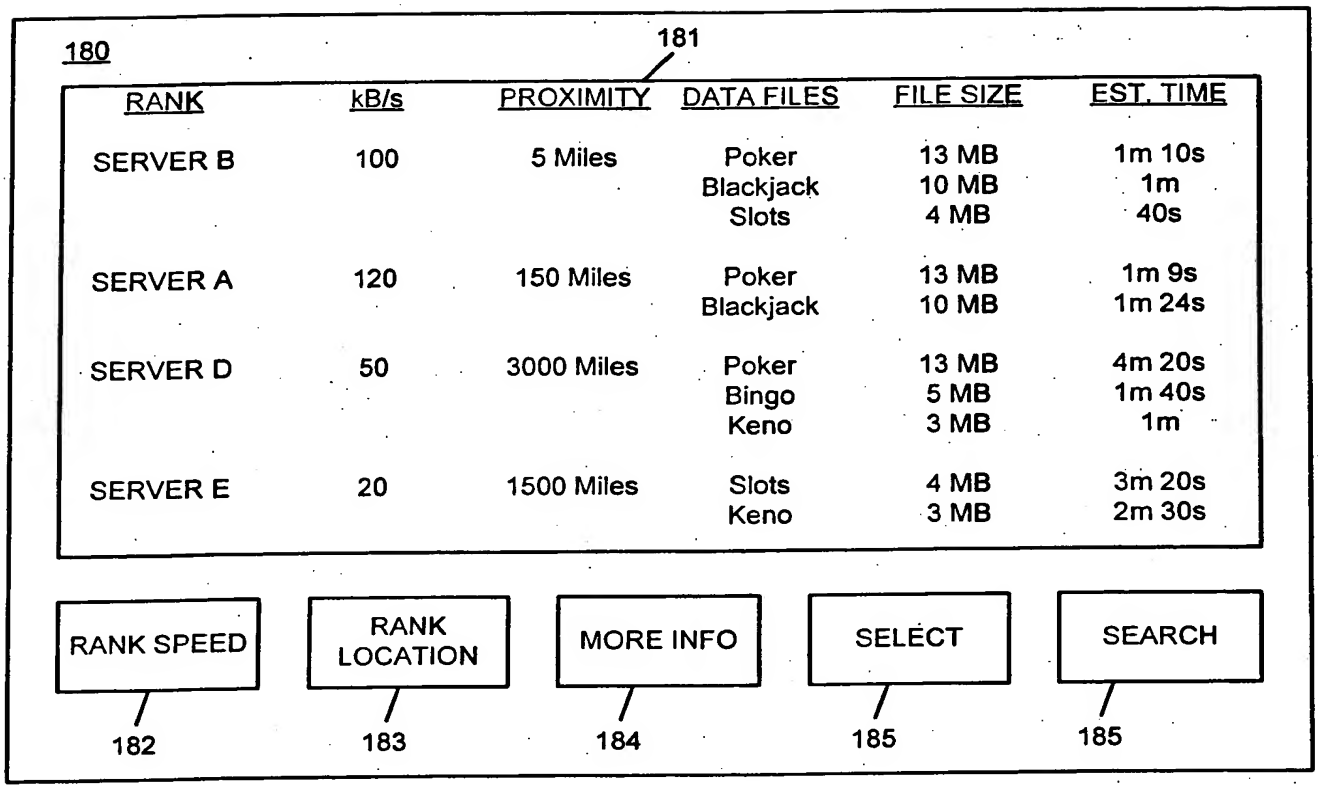

180
181
RANK
kB/s
PROXIMITY
DATA FILES
FILE SIZE
EST. TIME
SERVER B
100
5 Miles
Poker
Blackjack
Slots
13 MB
10 MB
4 MB
1m 10s
1m
40s
SERVER A
120
150 Miles
Poker
Blackjack
13 MB
10 MB
1m 9s
1m 24s
SERVER D
50
3000 Miles
Poker
Bingo
Keno
13 MB
5 MB
3 MB
4m 20s
1m 40s
1m
SERVER E
20
1500 Miles
Slots
Keno
4 MB
3 MB
3m 20s
2m 30s
RANK SPEED
RANK LOCATION
MORE INFO
SELECT
SEARCH
182
183
184
185
185

FIG. 11

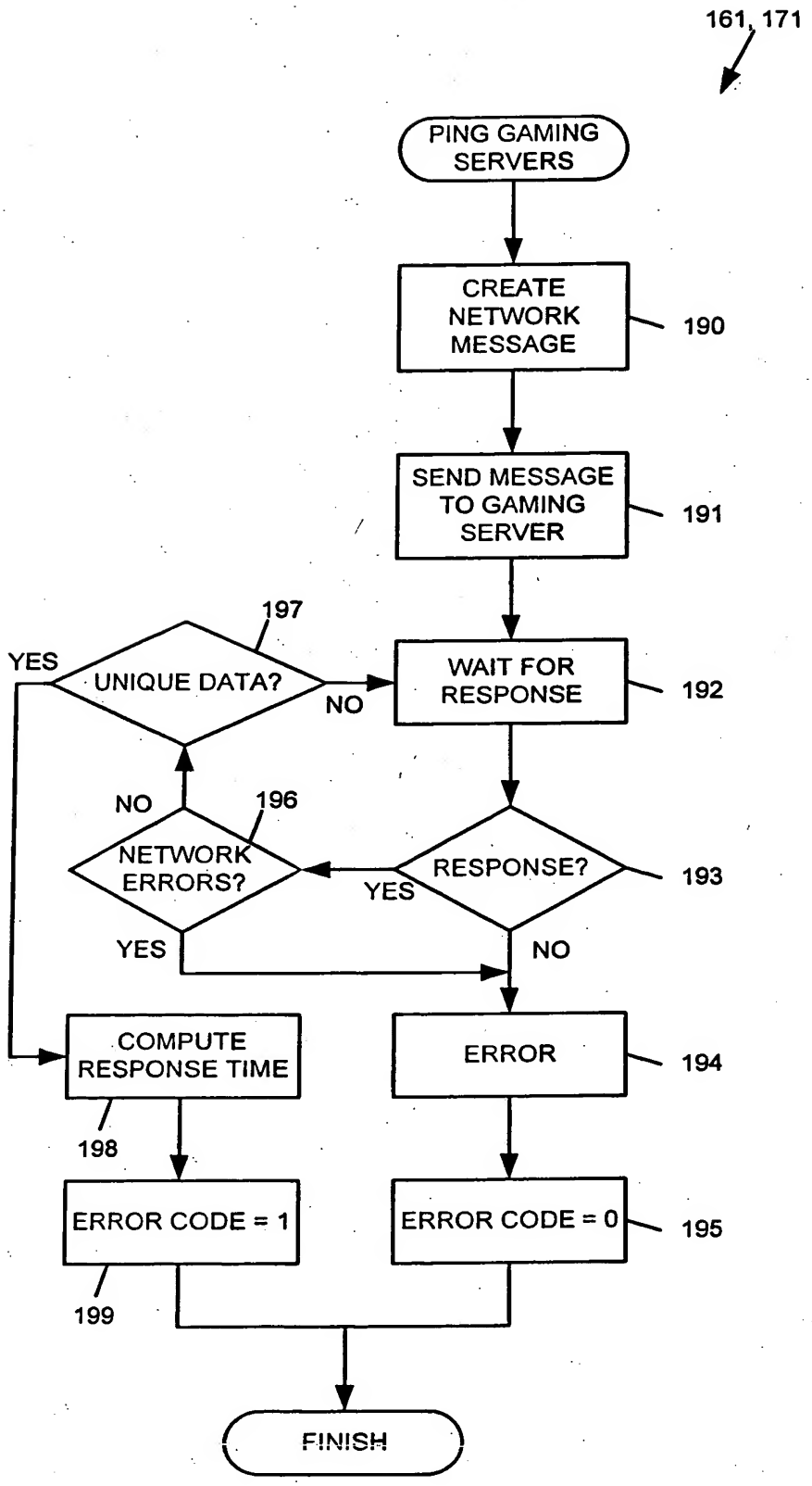

161, 171
PING GAMING SERVERS
CREATE NETWORK MESSAGE
190
SEND MESSAGE TO GAMING SERVER
191
197
YES
UNIQUE DATA?
NO
WAIT FOR RESPONSE
192
NO
196
NETWORK ERRORS?
RESPONSE?
193
YES
YES
NO
COMPUTE RESPONSE TIME
ERROR
194
198
ERROR CODE = 1
ERROR CODE = 0
195
199
FINISH

FIG. 12

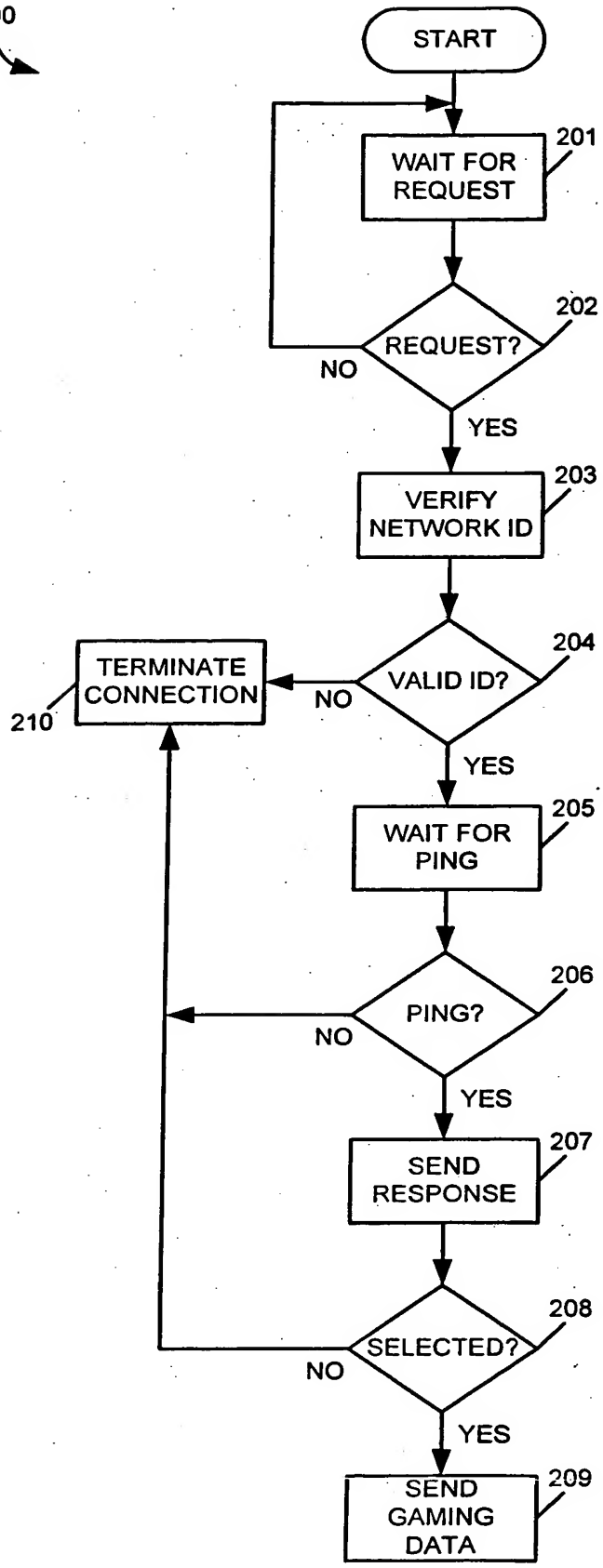

200
START
WAIT FOR REQUEST
201
REQUEST?
202
NO
YES
VERIFY NETWORK ID
203
VALID ID?
204
TERMINATE CONNECTION
210
NO
YES
WAIT FOR PING
205
PING?
206
NO
YES
SEND RESPONSE
207
SELECTED?
208
NO
YES
SEND GAMING DATA
209

FIG. 13

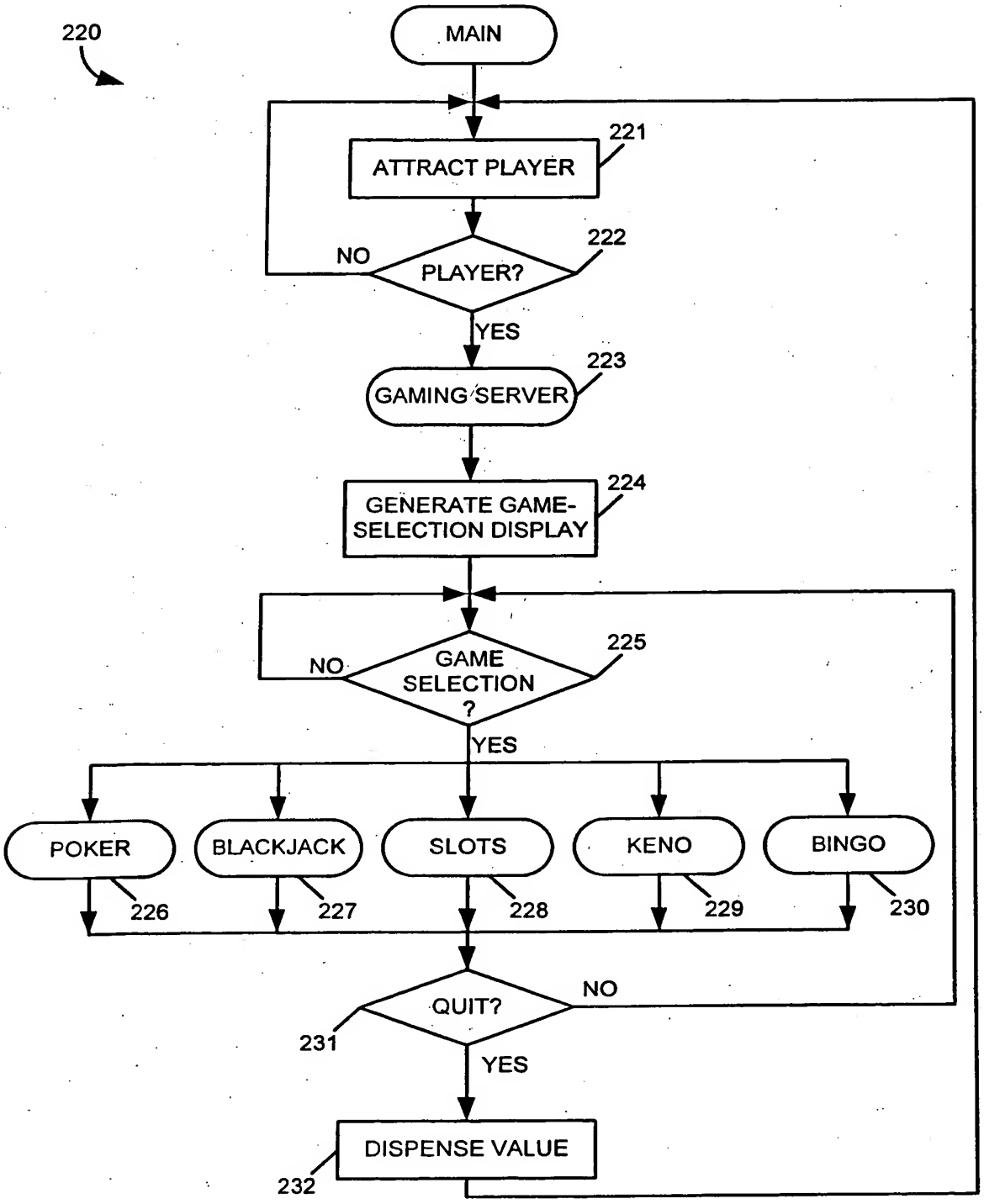

220
MAIN
ATTRACT PLAYER
221
PLAYER?
222
NO
YES
GAMING SERVER
223
GENERATE GAME-SELECTION DISPLAY
224
GAME SELECTION ?
225
NO
YES
POKER
BLACKJACK
SLOTS
KENO
BINGO
226
227
228
229
230
QUIT?
231
NO
YES
DISPENSE VALUE
232

FIG. 14

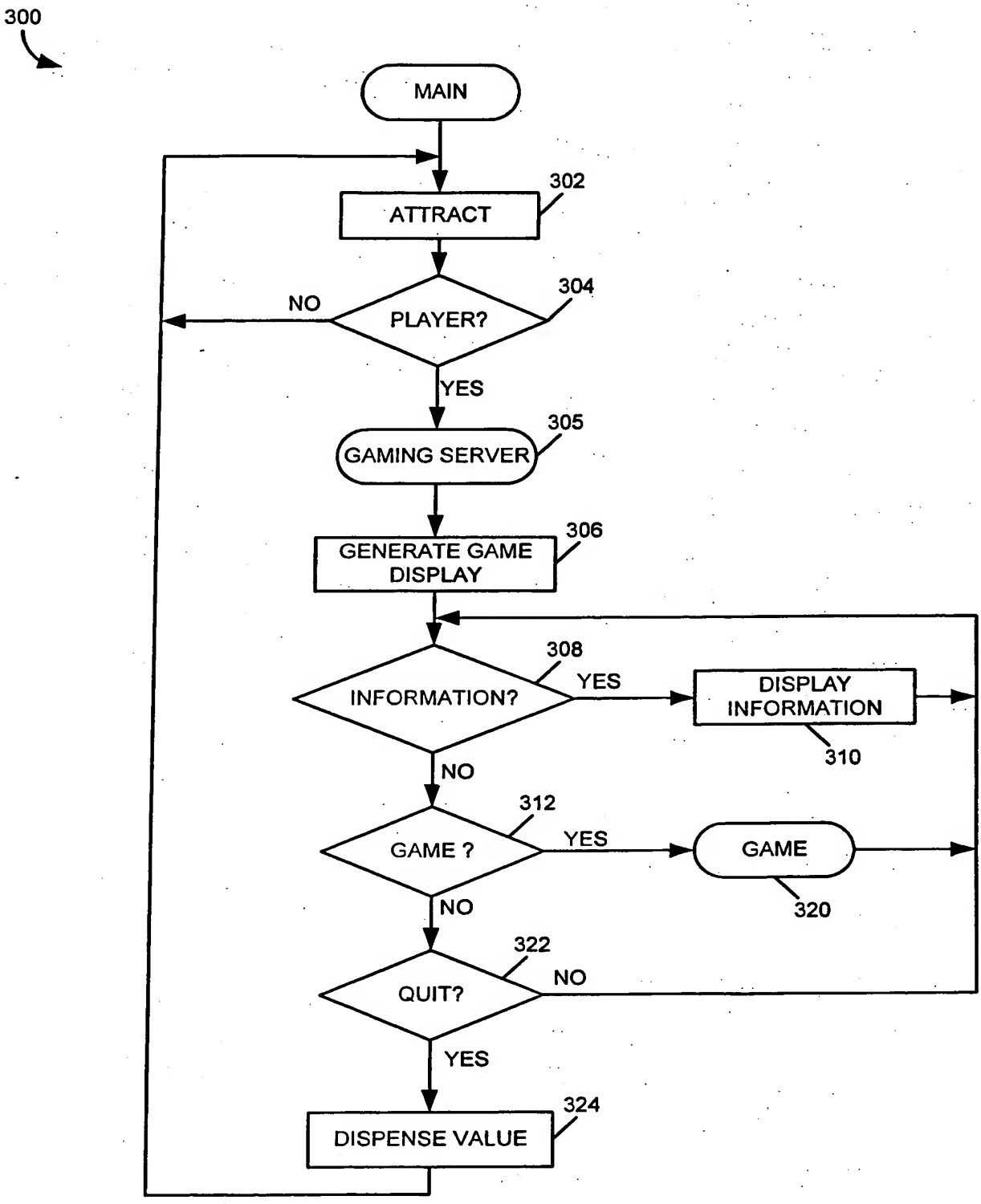

300
MAIN
302
ATTRACT
304
PLAYER?
NO
YES
305
GAMING SERVER
306
GENERATE GAME DISPLAY
308
INFORMATION?
YES
DISPLAY INFORMATION
310
NO
312
GAME ?
YES
GAME
320
NO
322
QUIT?
NO
YES
324
DISPENSE VALUE

FIG. 15

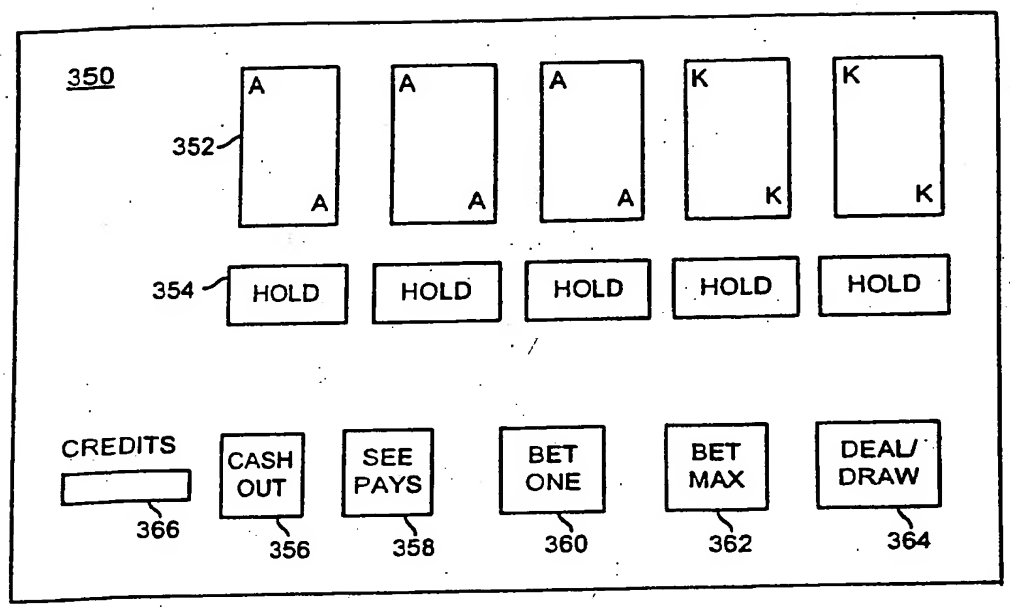

350
352
A
A
A
A
A
A
K
K
K
K
354
HOLD
HOLD
HOLD
HOLD
HOLD
CREDITS
366
CASH OUT
356
SEE PAYS
358
BET ONE
360
BET MAX
362
DEAL/ DRAW
364

FIG. 16

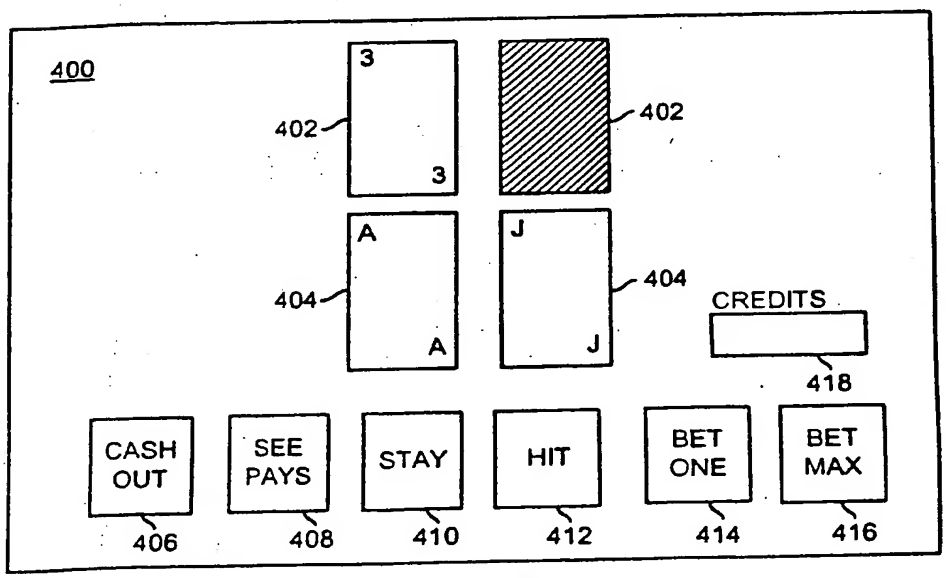
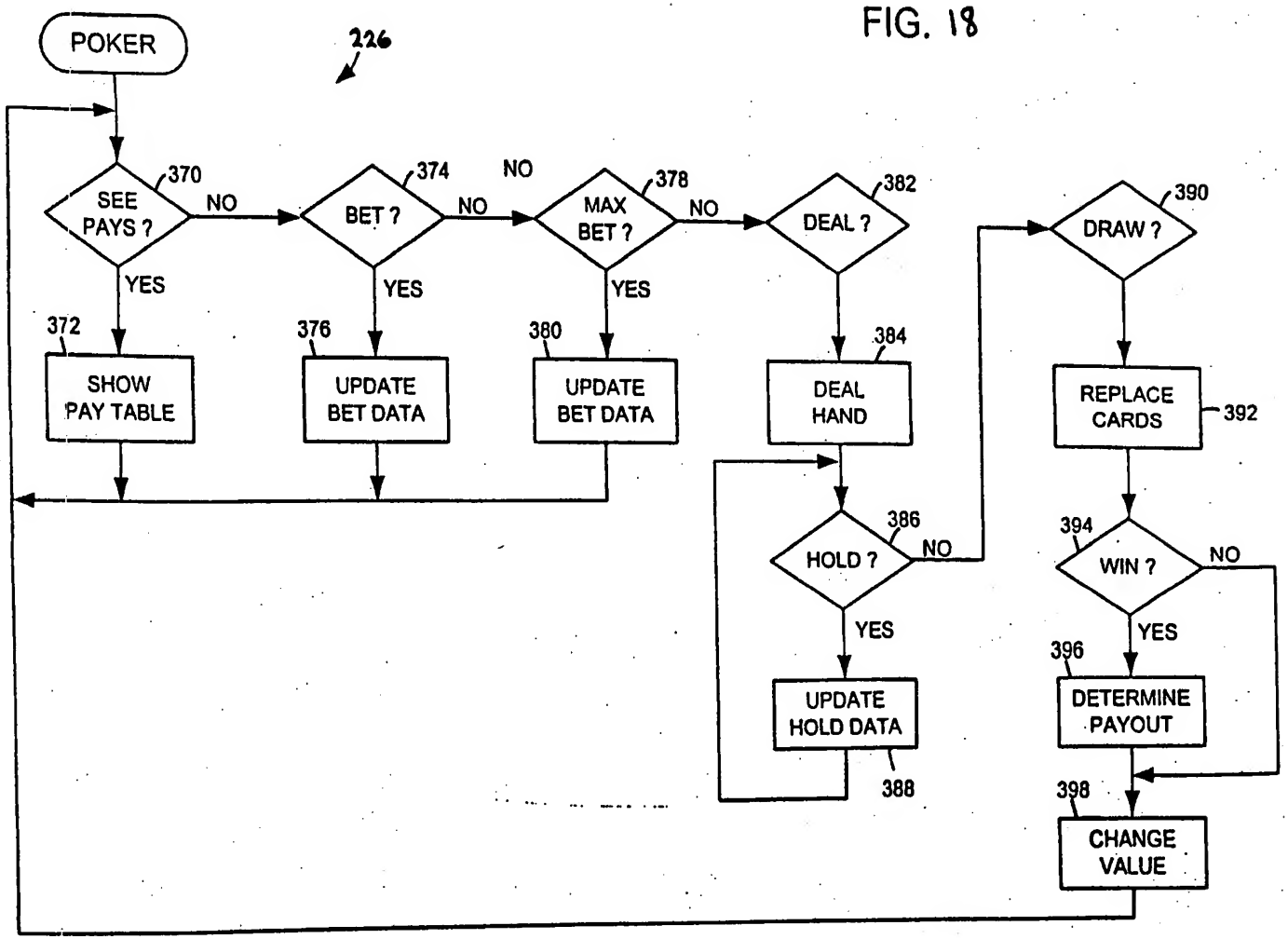

400
402
3
3
402
404
A
A
J
J
404
CREDITS
418
CASH OUT
406
SEE PAYS
408
STAY
410
HIT
412
BET ONE
414
BET MAX
416

FIG. 17

FIG. 18


POKER
226
SEE PAYS ?
370
NO
BET ?
374
NO
MAX BET ?
378
NO
DEAL ?
382
DRAW ?
390
YES
YES
YES
372
SHOW PAY TABLE
376
UPDATE BET DATA
380
UPDATE BET DATA
384
DEAL HAND
REPLACE CARDS
392
386
HOLD ?
NO
394
WIN ?
NO
YES
YES
396
UPDATE HOLD DATA
388
DETERMINE PAYOUT
398
CHANGE VALUE

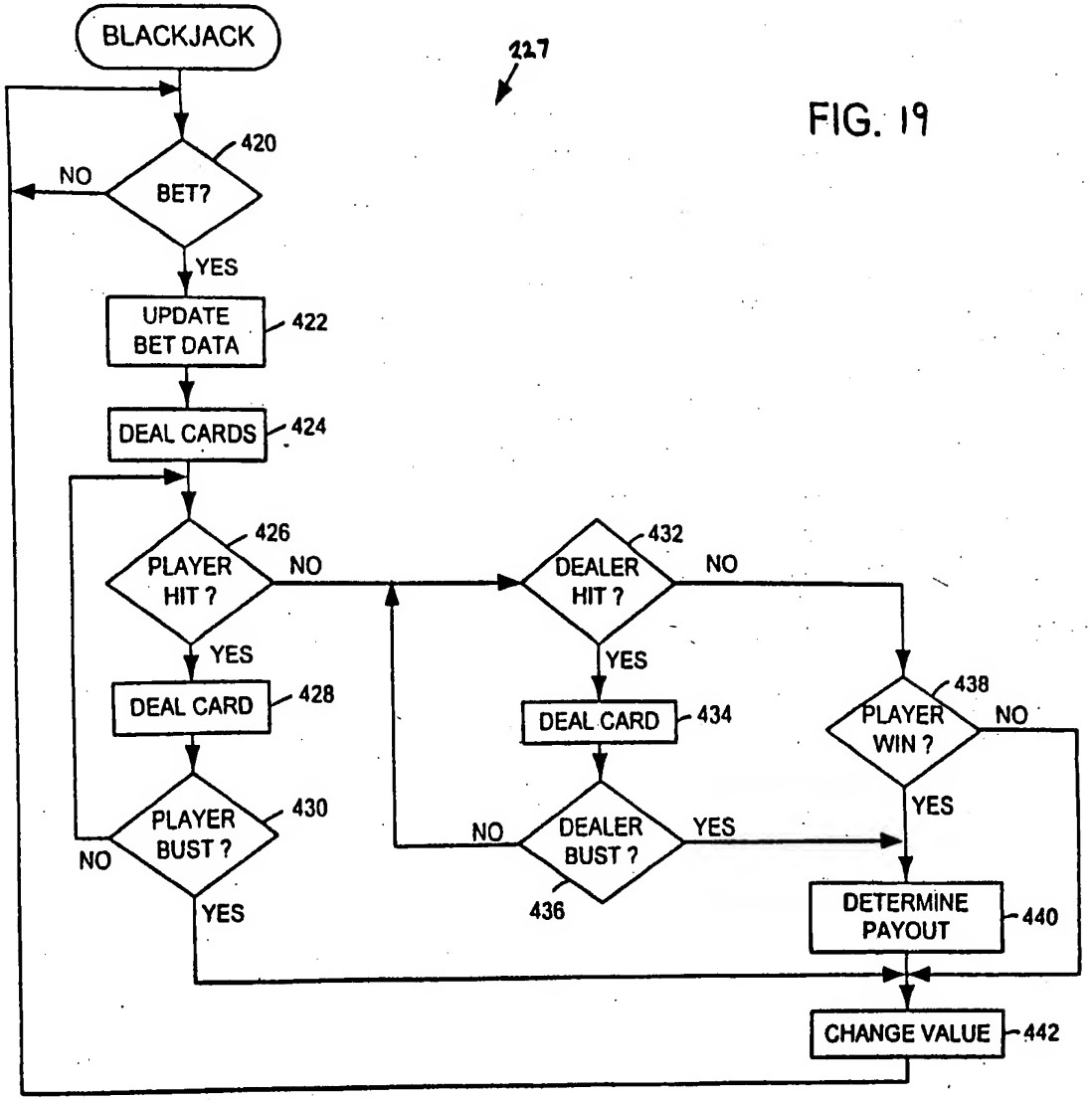
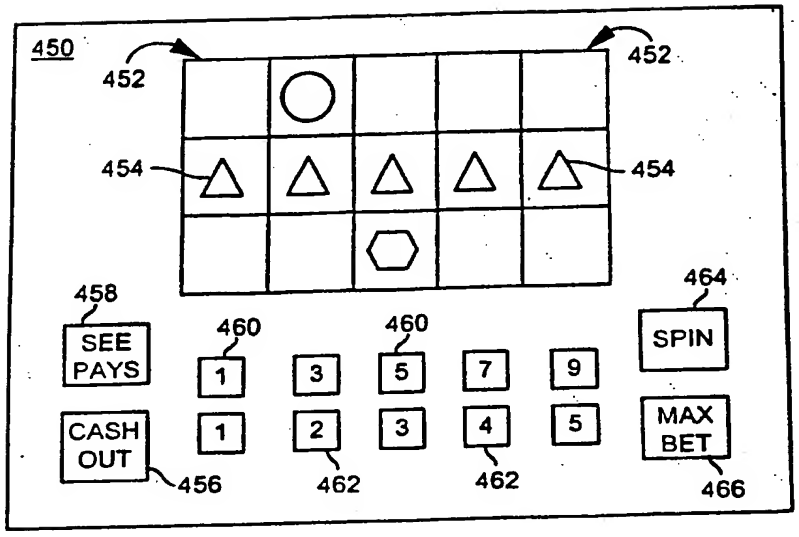

BLACKJACK
227
420
BET?
NO
YES
UPDATE BET DATA
422
DEAL CARDS
424
426
PLAYER HIT ?
NO
YES
DEAL CARD
428
PLAYER BUST ?
430
NO
YES
432
DEALER HIT ?
NO
YES
DEAL CARD
434
NO
DEALER BUST ?
YES
436
438
PLAYER WIN ?
NO
YES
DETERMINE PAYOUT
440
CHANGE VALUE
442

FIG. 19

FIG. 20


450
452
452
454
454
458
SEE PAYS
460
460
464
SPIN
1
3
5
7
9
CASH OUT
1
2
3
4
5
MAX BET
456
462
462
466

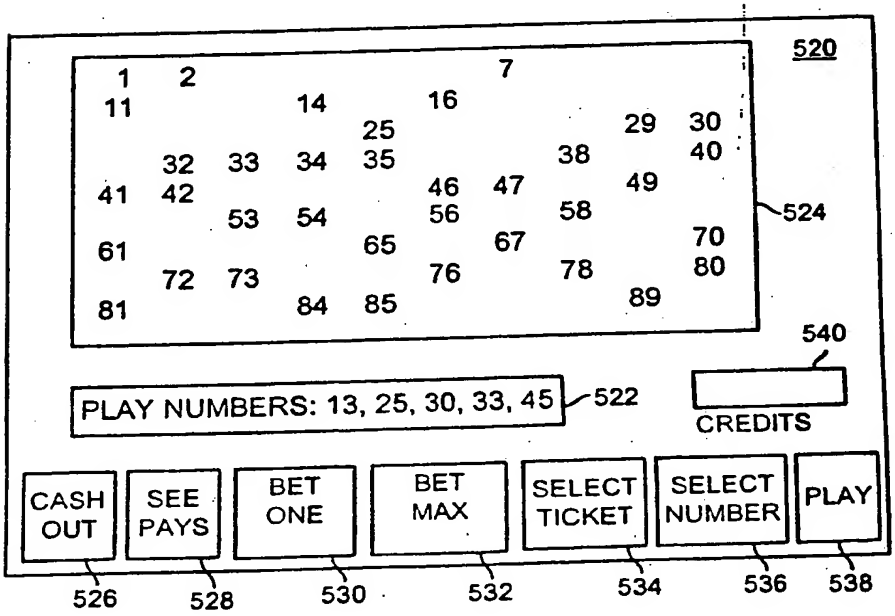

520
1 2 7
11 14 16
25 29 30
32 33 34 35 38 40
41 42 46 47 49
53 54 56 58
524
61 65 67 70
72 73 76 78 80
81 84 85 89
540
PLAY NUMBERS: 13, 25, 30, 33, 45
522
CREDITS
CASH OUT
SEE PAYS
BET ONE
BET MAX
SELECT TICKET
SELECT NUMBER
PLAY
526
528
530
532
534
536
538

FIG. 21

FIG. 22

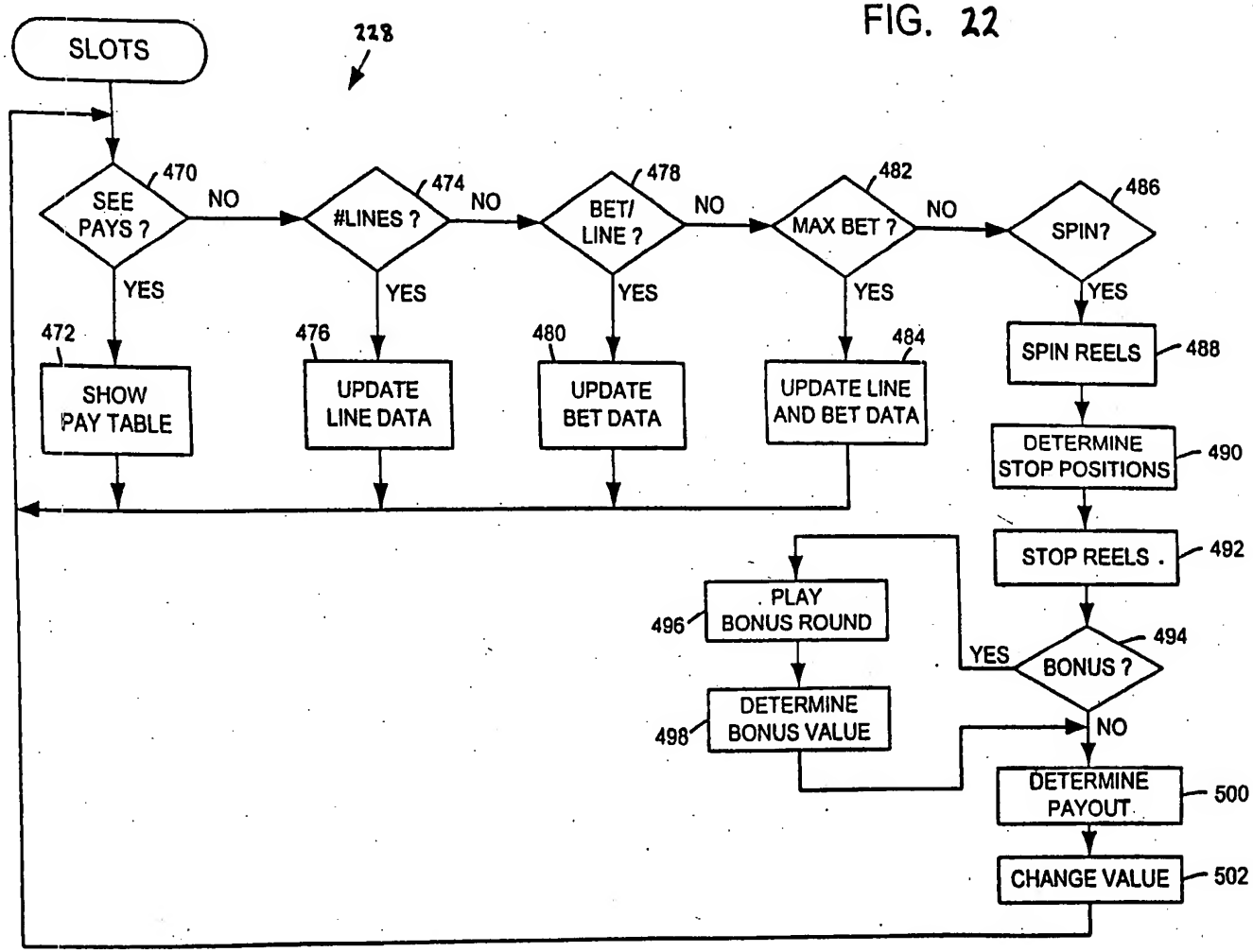
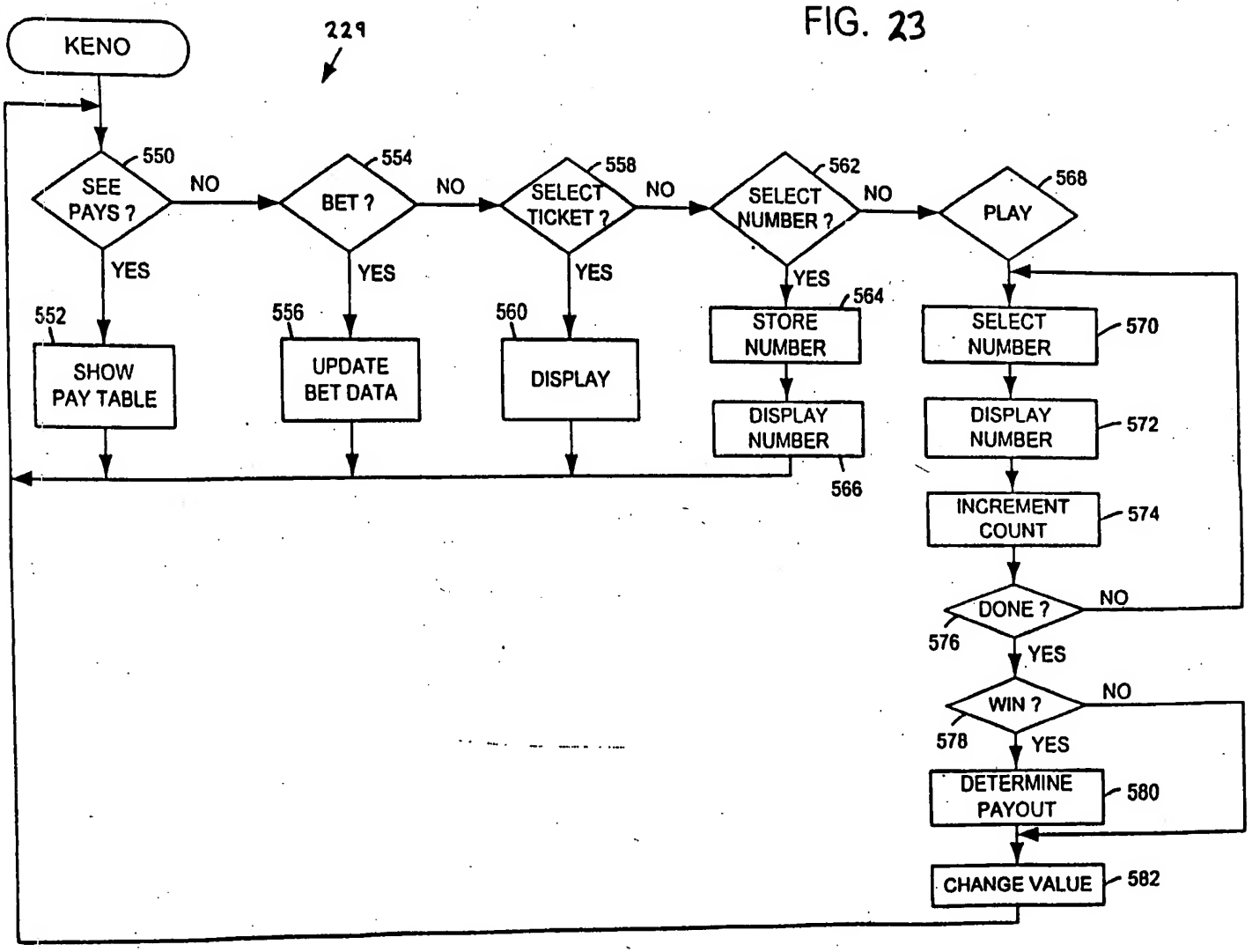

SLOTS
228
SEE PAYS ?
470
NO
#LINES ?
474
NO
BET/ LINE ?
478
NO
MAX BET ?
482
NO
SPIN?
486
YES
YES
YES
YES
YES
472
SHOW PAY TABLE
476
UPDATE LINE DATA
480
UPDATE BET DATA
484
UPDATE LINE AND BET DATA
SPIN REELS
488
DETERMINE STOP POSITIONS
490
STOP REELS .
492
PLAY BONUS ROUND
496
DETERMINE BONUS VALUE
498
YES
BONUS ?
494
NO
DETERMINE PAYOUT
500
CHANGE VALUE
502

FIG. 23


KENO
229
SEE PAYS ?
550
NO
YES
552
SHOW PAY TABLE
BET ?
554
NO
YES
556
UPDATE BET DATA
SELECT TICKET ?
558
NO
YES
560
DISPLAY
SELECT NUMBER ?
562
NO
YES
564
STORE NUMBER
DISPLAY NUMBER
566
PLAY
568
SELECT NUMBER
570
DISPLAY NUMBER
572
INCREMENT COUNT
574
DONE ?
576
NO
YES
WIN ?
578
NO
YES
DETERMINE PAYOUT
580
CHANGE VALUE
582

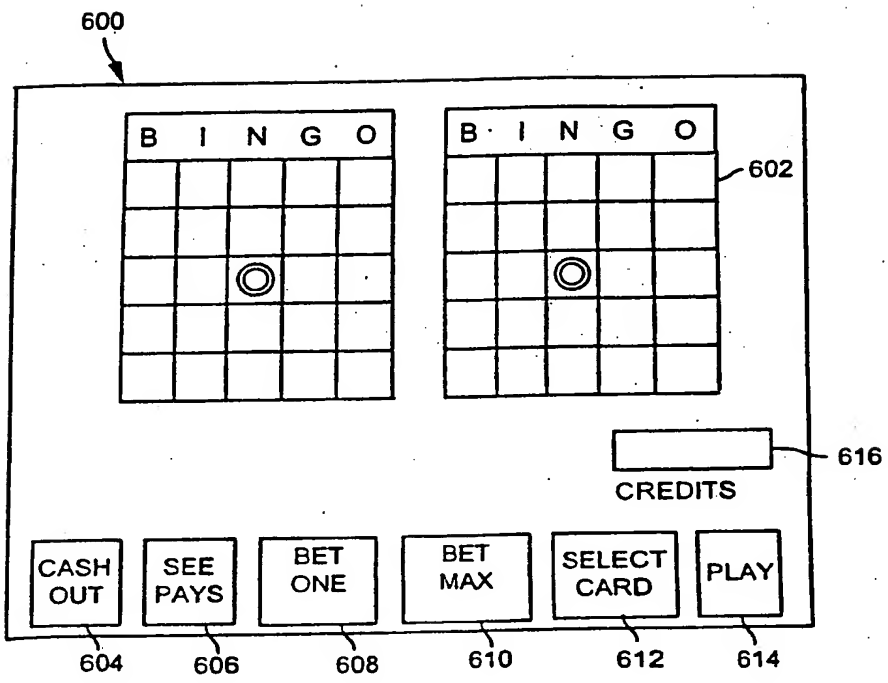
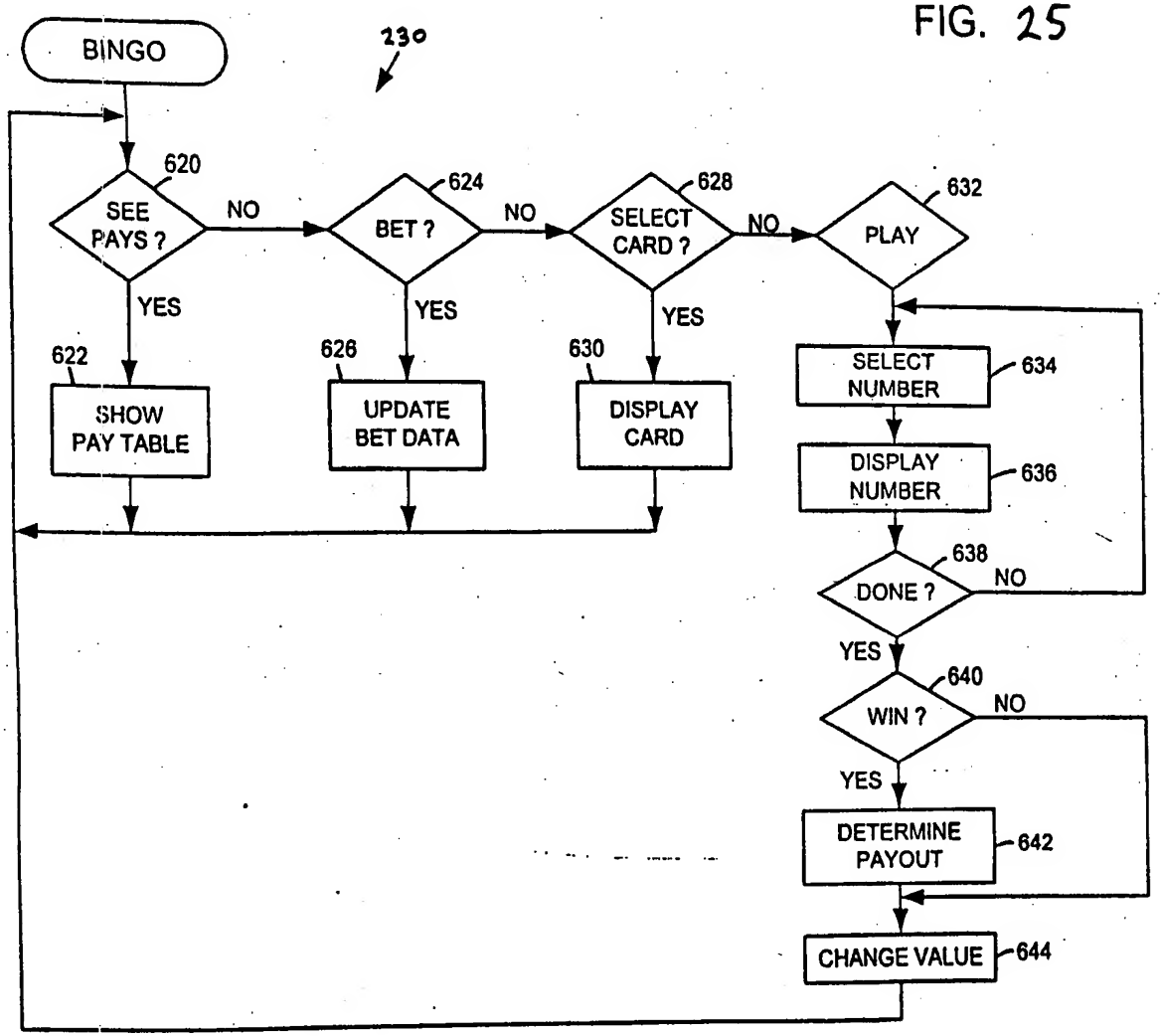

600
B I N G O
B I N G O
602
616
CREDITS
CASH OUT
SEE PAYS
BET ONE
BET MAX
SELECT CARD
PLAY
604
606
608
610
612
614

FIG. 24

FIG. 25


BINGO
230
620
SEE PAYS ?
NO
624
BET ?
NO
628
SELECT CARD ?
NO
632
PLAY
YES
YES
YES
622
SHOW PAY TABLE
626
UPDATE BET DATA
630
DISPLAY CARD
SELECT NUMBER
634
DISPLAY NUMBER
636
638
DONE ?
NO
YES
640
WIN ?
NO
YES
DETERMINE PAYOUT
642
CHANGE VALUE
644